

Urban District of Chiswick.

ANNUAL REPORT

OF THE

Medical Officer of Health.

1909.

CHISWICK :

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1910.

Urban District Council of Chiswick.

PUBLIC HEALTH COMMITTEE.

Dr. L. B. DIPLOCK, J.P., *Chairman.*

Councillor C. E. BOVILL.
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, P. DAWSON.
, H. W. HARDY.

Councillor L. L. LEEDER.
,, T. O'BRIEN.
,, H. P. ROPER.

PUBLIC HEALTH DEPARTMENT.

Staff.

Medical Officer of Health :
FREDC. C. DODSWORTH, M.R.C.S., L.R.C.P., &c.

Chief Sanitary Inspector :
JOHN H. CLARKE, M.R. San. I., &c.

Assistant Inspectors :
J. W. WOOD and P. B. F. BURR.

Health Visitor :
MISS J. CRUICKSHANK.

Junior Clerk :
W. TILLCOCK.

CHISWICK URBAN DISTRICT COUNCIL.

PUBLIC HEALTH DEPARTMENT,
TOWN HALL.

TO THE CHAIRMAN AND MEMBERS OF THE CHISWICK
URBAN DISTRICT COUNCIL.

GENTLEMEN,

I have the pleasure of submitting my Annual Report for the year 1909, with observations resulting from the consideration of vital statistics and other kindred sanitary subjects. The statistics will perhaps not be found to be quite of so high a character as it has been my privilege and duty to record from year to year, although the general result may be considered favourable in most of its aspects. We can at least feel satisfaction that no serious epidemic of a fatal type, such as small pox or enteric fever, has prevailed, and compared with former years you will, I think, agree that there has been little, if any deviation from the usual standard of good health which our town is known to enjoy.

Incorporated herewith is the Report of your Chief Sanitary Inspector, Mr. J. H. Clarke, giving details of the work done in the Sanitary Department.

Population.

The difficulty of making a fairly reliable estimate of our population does not diminish and is not likely to do so during the intercensal period, and it is much to be desired that a general census should be taken more frequently, that is to say quinquennially. The conclusion that I have come to for the purposes of this report is that the population for the middle of last year should be estimated at 37,059 and on this number I have calculated the birth and death rates.

Births.

The births registered during the year numbered 877; of this number 456 were males and 421 were females, compared with 898 for 1908, shewing a decrease of 21. This is equivalent to a birth rate of 23.66 per 1000, which is comparatively low and in fact below the average for the past ten years. That for London was 24.2 and for 76 large towns 26.3.

Deaths.

The total number of deaths was 535 (285 males, 250 females) and for 1908 they numbered 443, showing an increase of 92. The number registered outside the district was 132, and within the District, 418, including 15 non-residents, making the total of 535. The death rate was 14.4 per 1,000; that for London was 14.0, and for the 76 large towns, 14.9.

Infantile Death Rate.

The number of children who died under a year was 95, compared with 96 for 1908, and was equal to 108.3 per 1,000 births, against 106.9 for the previous year, which indicates a slight increase. For London it was 107.

I have on several previous occasions commented on this regrettable waste of infant life, due in a great measure to ignorance on the part of the mothers in the matter of feeding and general care of their young children, the feeding being too frequently of a most injudicious character and answerable for a considerable proportion of the mortality. Table No. 5 gives detailed statistics of these infantile deaths, tabulated according to age and causation. I feel convinced that the duties now carried out by your Health Visitor will have a natural tendency to reduce the infantile mortality of Chiswick, by instructing young mothers both on the care and feeding of their infants and leaving them the leaflets which have been drawn up by the Medical Officer of Health, and by this and other means she receives a cordial welcome and support, which has a tendency to assist in her investigations generally.

Old Age.

The number of persons who died aged 65 and upwards was 155, many reached a very advanced age, there were 35 over 80 and 7 over 90.

Scarlet Fever.

In common with other adjoining districts a comparatively mild form of this complaint was prevalent during the year, it however did not assume an epidemic form. The total number of cases notified was 117, being an increase of 28 on those of the previous year followed by two deaths.

Zymotic or Infectious Diseases.

From diseases of this class there were 49 deaths compared with 37 for those of the previous year, an increase of 12.

Small Pox	-	0
Measles	-	20
Scarlet Fever	-	2
Whooping Cough	-	2
Diphtheria	-	5
Diarrhoea	-	9
Enteritis	-	8
Erysipelas	-	3

The Zymotic death rate was 1.32 per 1,000, for London it was 1.31 and for the 76 large towns 1.1.

Enteritis

which is an aggravated form of Diarrhoea was responsible for 8 deaths and occurred in children under 6 months.

Enteric Fever.

Seven notifications were received ; of this number, three were removed to your Isolation Hospital and recovered.

Cancer

was the cause of 36 deaths (18 males and 18 females) compared with 39 for 1908. The following Table indicates the locality, sex and age :—

Deaths^{*} from Cancer during 1909 (distributed according to locality, age and sex).

WARDS.	Under 15		15 to 25		25 to 35		35 to 45		45 to 55		55 to 65		65 to 75		75 to 85		All ages.	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
BEDFORD PARK	1	...	1	...	...	...	...	...	2	2	2	4
CHISWICK PARK	1	...	1	...	3	2	...	...	6	3	9	
GROVE PARK	1	2	...	1	...	1	...	...	...	1	4	5
GUNNERSBURY	1	...	1	2	...	1	...	...	1	3	3	6
OLD CHISWICK	1	...	...	3	1	1	2	1	1	...	1	6	5	11	
TURNHAM GREEN	1	...	...	...	1	1	
TOTALS.	1	...	2	3	5	4	5	3	5	4	...	4	18	18	36

Diphtheria.

Diphtheria attacks show a decided increase on those of the previous year, numbering 52 against 32 for 1908 ; the disease never attained an epidemic character, being almost without exception sporadic and with few if any definite causes for its production. Whilst on this subject I would remark that the Council have sanctioned the free supply of anti-toxin in the case of necessitous patients and I beg to express a hope that this most valuable adjunct to treatment will be invariably adopted, more especially in the early stages of the complaint.

Measles.

This disease was prevalent during the early Spring and summer causing 20 deaths ; they all occurred in children and were mostly complicated with diseases of the respiratory organs. It seems to be a fixed idea in the minds of many people that every child must necessarily suffer an attack of Measles and that the sooner it is acquired the better. This is a serious fallacy, especially in conjunction with the belief that Measles is a trifling complaint. With ordinary care and medical supervision, most patients progress favourably and serious complications, so especially dangerous to young children, are avoided. In order to emphasise this statement as to the necessity of care, I may add that Measles caused more deaths in this parish than any other Zymotic disease.

Whooping Cough.

This complaint was prevalent during the spring causing two deaths in children under five years ; in the preceding year the deaths amounted to eleven.

Diarrhoea.

From this complaint there were 9 deaths against 10 for the year 1908 ; this is a very low rate of mortality, and compares very favourably with previous years, which may be accounted for by the cool summer and autumn.

Phthisis (Pulmonary Tuberculosis)

Was the immediate cause of 38 deaths against 29 for the year 1908, showing an increase of 9. The result of the comparatively recent Order issued by the Local Government Board causing the compulsory notification of this disease by the Poor Law and Workhouse Medical Officers naturally adds to the number of cases notified. It appears to me that the time for making the disease compulsorily notifiable has not yet arrived and would be of comparatively little benefit unless some suitable treatment could be arranged either by sanatoria or otherwise, although it has been very successfully carried out both in Sheffield and Edinburgh, the latter in 1907 and the former two years since. In Norway and the United States, the notification of the disease is compulsory. Tuberculosis being of an infectious character, it should be treated on the same broad principles as other infectious complaints. As far as this parish is concerned, the notification is voluntary with the exceptions I have named.

In the month of November, I was requested to attend a meeting held in Bedford Park for the purpose of discussing the question of providing an Open-air Sanatorium for this County, the chief object being to provide for the treatment of hopeful cases where the disease was not too much advanced, and for those living in the County of Middlesex who were not in a position to afford the fees of more expensive Sanatoria. It is only in the early stage of the disease that treatment in an institution of this kind is of service.

The subjoined Table gives the distribution as to sex & age:

Deaths from Phthisis during 1909 (distributed according to locality, age and sex)

Infectious Diseases Notification Act.

Under this Act I have received 278 certificates (including Phthisis) :—

Small Pox	-	-	-	0
Diphtheria (including Membranous Croup)	-	-	-	52
Scarlet Fever	-	-	-	117
Enteric Fever	-	-	-	7
Puerperal Fever	-	-	-	1
Erysipelas	-	-	-	46
Phthisis	-	-	-	55

compared with 165 for 1908.

Slaughter Houses, &c.

The slaughter houses, bakehouses, cow-sheds and dairies, also fish shops I need hardly refer to, they being included in the Report of the Chief Sanitary Inspector (Table ii on Sanitary work).

Influenza

Influenza was more or less prevalent during most months of the year, causing nine deaths, which were mostly associated with diseases of the heart or pulmonary complications.

The Public Elementary Schools.

During October I received through your Clerk a copy of a Memorandum issued by the Local Government Board and also by the Board of Education on the "Closure of and Exclusion from School" of those children who have been suffering from a mild attack of an infectious disease, which has received my

careful consideration. During the autumn in conjunction with the School Medical Officer I made an inspection of all the Council Schools, and we sent a report to the Education Committee, pointing out several sanitary defects which have, I believe, received the required attention.

I consider it a matter of importance that all the Council Schools in the district should be periodically disinfected, possibly during each vacation.

Midwives' Act, 1902.

Under this Act, there are 19 Midwives practising in the district ; of this number, 9 are certified, and 10 uncertified ; a weekly record is forwarded each week to the County Medical Officer of the cases attended by them.

Insanitary Property.

During the year I inspected a house in Bedford Park, also several cottages in Hogarth Avenue, Devonshire Road and Clifton Gardens. Each were found to be in an insanitary condition and the usual notices were served on the owners under Section 46 of the Public Health Act, requiring the premises to be repaired and cleansed. Many of the yards require either to be paved or asphalted and effectually drained, the subsoil being found to be damp and without a proper outfall. This will, I trust, in the future be remedied, as you have power under Section 25 to call on the owners to remedy this serious defect.

Inquests.

Inquests numbered 23, with the following verdicts:

Natural causes	-	-	18
Accidents	-	-	2
Suicide	-	-	2
Drowning	-	-	1

Motor Ambulance.

This has proved a very useful addition to the many advantages recently provided for the district and is duly appreciated both by the patients and the local medical men, it being quite up-to-date and furnished with all necessary surgical appliances, which are so frequently required in cases of emergency.

Open Spaces.

The addition of a plot of land situated at Strand-on-Green, known as "Strand Open Space," when laid out, drained and planted with ornamental trees and shrubs, will prove an acquisition to the class of people living in that locality who are too far from the Homefields Recreation Ground.

New Buildings.

The new buildings erected were as follows:—

72 dwelling houses.

2 shops with houses.

New Wesleyan Church.

"Palais Cinema."

New laundry.

Boys' club on the site of proposed
St. Michael's Church.

An addition to St. Michael's Church,
Bedford Park.

Public Convenience.

This was completed during the year and is located in a very central position.

Open Air Bath.

This was commenced at the latter part of the year and, I believe, will be ready in the early summer for the use of the school children who have hitherto been using the swimming baths in the adjoining districts. I am pleased to find that the water will be supplied by the Metropolitan Water Board and not direct from the River Thames.

Sewerage.

It is, I believe, the intention of the Council to extend the surface water system with the view of avoiding the unsightly pools of water which are apparent in various parts of the parish, more especially after an excessive rainfall such as we have experienced during the past year.

I am informed that the extensions of the Sewage Disposal Works are in progress and nearly completed, and hope that in my next Annual Report I shall be able to announce this as an accomplished fact.

Isolation Hospital.

The buildings were completed and opened for the reception of patients in April, 1904.

The following are the admissions during 1909 :—

Scarlet fever -	86 (75 children, 11 adults)
Diphtheria -	32 (29 children, 3 adults)
Enteric fever -	3 (all children)
Measles -	1 (a child, removed for isolation)
<hr/>	
Total -	122 against 80 for 1908
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There were six deaths, all of which were children ; several were in a moribund condition on admission.

I may mention in connection with the Hospital, the great need which exists for what is known as an "Observation" ward for doubtful cases. I have experienced on several occasions a great difficulty in locating cases of this description under existing conditions. The work at the Hospital has been fairly heavy during the year, due chiefly to the increase in the number of patients ; the nursing has been carried out to my entire satisfaction, both the matron and nurses have been most zealous in the discharge of their duties and for order and cleanliness the Hospital compares favourably with any others. The porter also has carried out his duties thoroughly and efficiently.

I append a report of the Health Visitor, giving the details of her work :—

"SIR,

"I beg to report that during the past year ended the 31st December, 1909, 879 births have been notified to the Council, and in 643 cases I visited the homes. The total number of visits and re-visits during the year was 1520.

There were 37 deaths amongst the infants visited and of these 18 were artificially fed.

Five dozen boat-shaped feeding bottles were purchased and distributed and they have been much appreciated.

164 births were not notified to the Council under the Notification of Births Act. The parents have been communicated with, and all have now notified with the exception of 19, of which 10 were returned unknown and 9 had left the district.

Fifteen deaths occurred amongst infants under one year of age whose births were registered outside the district.

Thirty-eight cases of phthisis have been enquired into and reported upon and from 10 to 21 cases have been re-visited each month.

Yours obediently,

J. CRUICKSHANK,
Health Visitor."

The tables required by the Local Government Board are annexed hereto as usual.

In conclusion may I be permitted to express my sincere sense of appreciation of the kindness shown to me by the Chairman and Members of the Public Health Committee during the past year. I must also testify to the loyalty and zeal which has characterised my staff in the execution of their duties.

I am, Gentlemen,

Obediently yours,

FRED^c. C. DODSWORTH.

Medical Officer of Health.

*Medical Superintendent of the Isolation Hospital.
Fellow of the Society of M.O.H.
Member of the Royal Society of London.*

Table showing Births and Birth Rates : Deaths and Death Rates ; Deaths from Zymotic Diseases,
also Death Rates during the past ten years.

	1900	1901	1902	1903	1904	1905	1906	1907	1908	1909	Average of last 10 years
Births during the year ...	826	844	870	907	889	947	852	915	898	877	882.5
Birth rate per thousand ...	27.74	28.12	28.42	28.90	27.62	28.55	25.15	25.43	24.68	23.66	26.82
Deaths from all causes ...	392	352	394	328	462	510	441	414	443	535	427
Death rate per thousand ...	12.83	11.73	12.51	10.46	14.35	15.37	13.01	11.50	12.17	14.43	12.83
Deaths from Small Pox ...	0	1	0	0	0	0	0	0	0	0	0.1
" Measles ...	3	1	22	2	39	0	3	12	1	20	10.3
" Scarlet Fever ...	4	1	1	0	5	3	0	7	0	2	2.3
" Diphtheria ...	5	5	2	1	6	5	5	5	3	2	3.9
" Whooping Cough ...	5	4	6	9	9	5	7	9	11	2	6.7
" Enteric & other Fevers	4	0	5	2	0	1	1	5	2	0	2.0
" Diarrhoea ...	12	22	13	9	15	36	32	20	10	9	17.8
" Enteritis ...	0	22	13	19	18	6	5	2	8	8	10.1
" Croup ...	0	0	1	0	1	1	0	0	0	0	0.3
" Erysipelas ...	1	2	3	4	4	1	2	0	2	3	2.2
" Puerperal Fever ...	0	1	1	0	2	0	0	1	1	0	0.6
" principal zymotic diseases	34	69	67	46	99	58	55	59	37	49	56.3
Death rate from ditto ...	1.14	1.6	2.1	1.4	3.07	1.7	1.62	1.64	1.01	1.32	1.49

ANNUAL REPORT OF MEDICAL OFFICER OF HEALTH FOR 1909 FOR THE

URBAN DISTRICT OF CHISWICK.

ON THE ADMINISTRATION OF THE FACTORY AND WORKSHOP ACTS, IN CONNECTION WITH
FACTORIES, WORKSHOPS, WORKPLACES & HOMEWORK.

1.—INSPECTION.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS OR INSPECTORS OF NUISANCES.

Premises.	Inspections.	Written Notices.	Prosecutions.	Number of	
				Referrals to H.M. Inspector.	Prosecutions.
Factories (Including Factory Laundries)	29	2	—	—	—
Workshops (Including Workshop Laundries)	149	6	—	—	—
Workplaces (Other than Outworkers' premises included in Part 3 of this Report.)	43	3	—	—	—
Total	221	11	—	—	—

2.—DEFECTS FOUND.

Particulars.	Number of Defects.			Number of Prosecutions.
	Found	Remedied.	Referred to H.M. Inspector.	
<i>Nuisances under the Public Health Acts :—*</i>				
Want of Cleanliness ...	3	3	—	—
Want of Ventilation ...	—	—	—	—
Overcrowding ...	—	—	—	—
Want of drainage of floors ...	—	—	—	—
Other Nuisances ...	—	—	—	—
insufficient	2	2	—	—
unsuitable or defective	—	—	—	—
not separate for sexes	—	—	—	—
<i>Offences under the Factory and Workshop Act :—</i>				
Illegal occupation of underground bakehouse (s. 101) ...	—	—	—	—
Breach of special sanitary requirements for bakehouses (ss. 97 to 100) ...	—	—	—	—
Other offences ...	—	—	—	—
(Excluding offences relating to outwork which are included in Part 3 of this Report).	—	—	—	—
Total	11	11	—	—

3.—HOMECRAFT.

OUTWORKERS' LISTS, SECTION 107.

NATURE OF WORK.	Lists received from Employers.		Numbers of Addresses of Outworkers received from other Councils.	Numbers of Addresses of Outworkers forwarded to other Councils.	Number of Inspections of Outworkers' premises.
	Lists received from Employers.	Twice in the year.			
(1)	(2)	(3)	(4)	(5)	(6)
Wearing Apparel—					
(1) making, &c.	18	32	45	26	43
(2) cleaning and washing	—	—	—	—	—
Total	18	32	45	26	43

4.—REGISTERED WORKSHOPS

Workshops on the Register (s. 131) at the end of the year.	Number.	
	Imported classes of workshops, such as workshops, may be enumerated here	Workshops
Workshops 139
Workplacees 33
Total number of workshops on Register	172

5.—OTHER MATTERS.

Class.	Number.	
	Matters notified to H.M. Inspector of Factories :—	Failure to affix Abstract of the Factory and Workshop Act (s. 133) ...
Other 1
Underground Bakehouses (s. 101) :— 9
Certificates granted during the year
In use at the end of the year
 4

* Including those specified in sections 2, 3, 7 and 8, of the Factory and Workshop Acts as remediable under the Public Health Acts.

† For districts not in London state here whether section 22 of the Public Health Acts Amendment Act, 1890, has been adopted by the District Council; and if so what standard of sufficiency and suitability of sanitary accommodation for persons employed in factories and workshops has been enforced.

‡ The figures required in columns 2 and 3 are the total number of lists received from employers who sent them both in February and August as required by the Act and of the entries of names of outworkers in those lists. They will, therefore, usually be double of the number of such employers and (approximately) double of the number of individual outworkers whose names are given, since in the February and August lists of the same employer the same outworker's name will often be repeated.

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TABLE I.

CHISWICK URBAN DISTRICT.

Vital Statistics of Whole District during 1909 and previous years.

YEAR.	Population estimated to Middle of each Year.		BIRTHS.		DEATHS UNDER ONE YEAR OF AGE.		DEATHS AT ALL AGES.		Deaths in Public Institutions.	Deaths of Non-residents registered in District.	Deaths of Residents registered beyond District.	DEATHS AT ALL AGES. NETT.	
	Number.	Rate*	Number.	Rate per 1,000 Births registered	Number.	Rate*	Number.	Rate*				Number.	Rate*
1	2	3	4	5	6	7	8	9	10	11	12	13	
1899	27,772	818	29.45	112	136	408	14.69	...	...	...	...	...	...
1900	29,762	826	27.74	144	174	392	12.83	...	...	...	...	...	...
1901	30,005	844	28.12	103	122	352	11.73	9	9	...	...	...	...
1902	30,609	870	28.82	112	128	394	12.51	11	11	...	...	...	...
1903	31,377	907	28.90	94	103.6	328	10.45	10	10	...	...	...	...
1904	32,177	889	27.62	111	124.8	424	13.11	8	8	46	462	462	14.35
1905	33,160	947	28.55	102	107.7	437	12.96	7	7	80	510	510	15.37
1906	33,873	852	25.15	98	115.2	361	10.65	17	17	12	92	441	13.01
1907	35,970	915	25.43	109	119.1	339	9.42	12	12	13	88	414	11.5
1908	36,377	898	24.68	96	106.9	351	9.64	11	11	16	108	443	12.17
Averages for years 1899-1908		876	27.44	108	123.7	378	11.79	...	...	...	...	...	...
1909	37,059	877	23.66	95	108.3	418	11.27	14	14	15	132	535	14.43

* Rates in Columns 4, 8 and 13 calculated per 1,000 of estimated population.

Area of District in acres (exclusive of area covered by water) 1,245.

Institutions within the District receiving sick and infirm persons from outside the District—S. JOSEPH'S HOSPITAL and CHISWICK HOUSE ASYLUM.

Institutions outside the District receiving sick and infirm persons from the District—METROPOLITAN HOSPITALS AND ASYLUMS and ISLEWORTH WORKHOUSE INFIRMARY.

Total population at all ages
 Number of inhabited houses
 Average number of persons per house

Census 1901

29,809

5,235

of 1901

5.7

TABLE II.

CHISWICK URBAN DISTRICT.

Vital Statistics of Separate Localities in 1909 and Previous Years.

NAMES OF LOCALITIES.	1. WHOLE DISTRICT.				2. BEDFORD PARK.				3. CHISWICK PARK.				4. GROVE PARK.				5. GUNNERSBURY.				6. OLD CHISWICK.				7. TURNHAM GREEN.				
	Population estimated to middle of each year.	Births Regist'd.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Regist'd.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Regist'd.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Regist'd.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Regist'd.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Regist'd.	Deaths at all ages.	Deaths under 1 year.	Population estimated to middle of each year.	Births Regist'd.	Deaths at all ages.	Deaths under 1 year.	
YEAR.	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	a	b	c	d	
1899 ...	27,772	818	...	112	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1900 ...	29,772	826	...	144	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1901 ...	30,005	844	...	103	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1902 ...	30,609	870	...	112	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1903 ...	31,377	907	...	94	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1904 ...	32,177	889	462	111	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1905 ...	33,160	947	510	102	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1906 ...	33,873	852	441	98	4,246	52	31	2	8,346	238	130	34	4,690	144	73	24	4,207	76	59	9	6,075	223	75	15	6,309	119	73	14	
1907 ...	35,970	915	414	109	4,173	57	29	4	8,697	270	124	44	5,151	120	63	13	4,303	90	46	5	7,348	220	79	25	6,298	158	73	18	
1908 ...	36,377	898	443	96	4,413	48	49	3	8,586	249	111	35	5,081	131	74	10	4,317	91	33	4	7,308	218	102	28	6,672	161	74	16	
Averages of Years 1899 to 1908.	32,109	876	...	108	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1909 ...	37,059	877	535	95	4,458	70	51	4	8,592	268	167	37	5,238	120	91	14	4,477	72	54	6	7,361	194	101	21	6,931	153	71	13	

TABLE III.

CHISWICK URBAN DISTRICT.

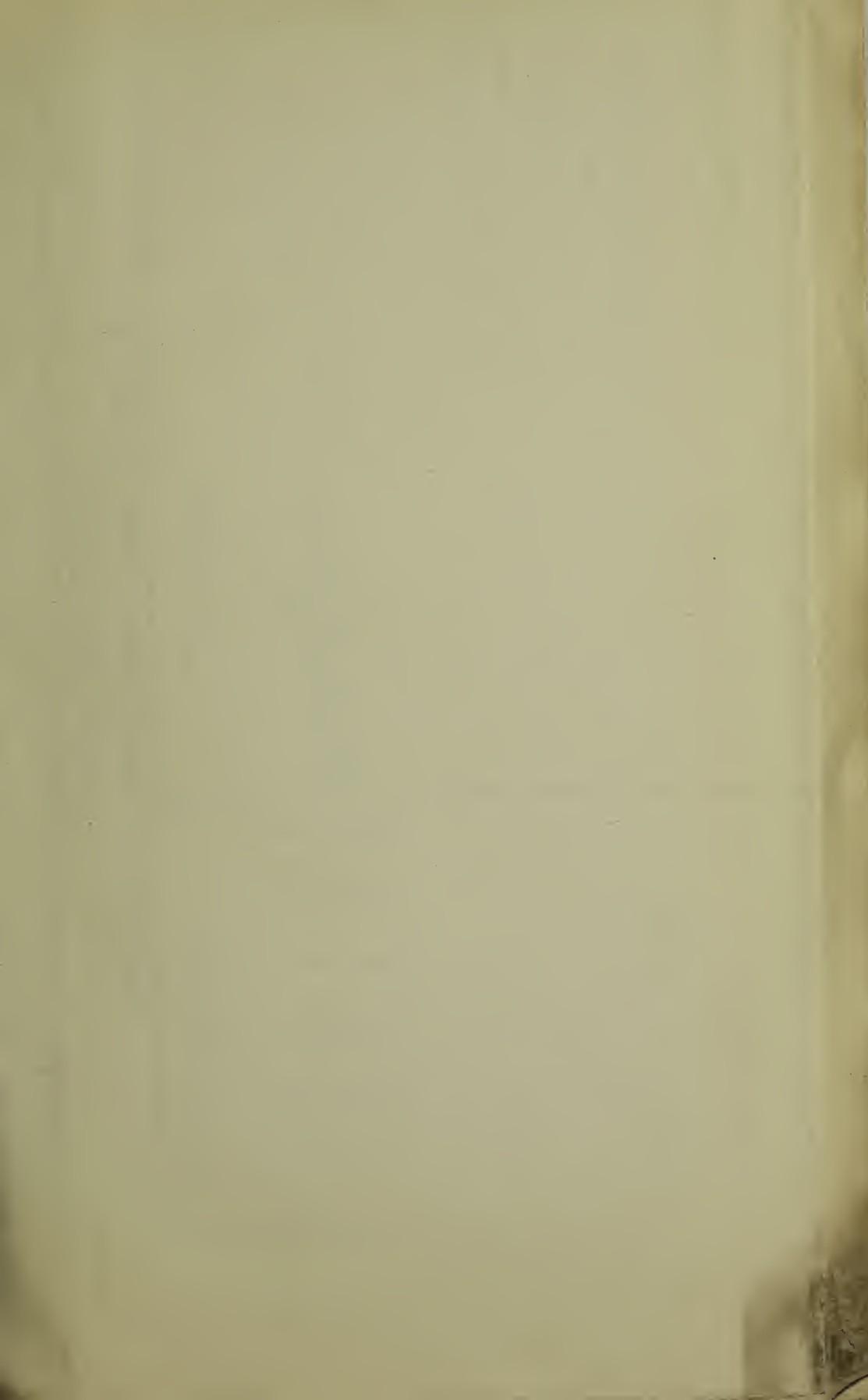
Cases of Infectious Disease notified during the Year 1909.

NOTIFIABLE DISEASE.	CLASSES NOTIFIED IN WHOLE DISTRICT.							TOTAL CASES NOTIFIED IN EACH LOCALITY.							NO. OF CASES REMOVED TO HOSPITAL FROM EACH LOCALITY.						
	At all Ages.	At Ages—Years.						Bedford Park.	Chiswick Park.	Grove Park.	Gunnersbury.	Old Chiswick.	Turnham Green.	TOTALS	Bedford Park.	Chiswick Park.	Grove Park.	Gunnersbury.	Old Chiswick.	Turnham Green.	TOTALS
		Under 1	1 to 5.	5 to 15	15 to 25.	25 to 65.	65 and upwards.														
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diphtheria including Membranous Croup ...	52	1	16	26	3	6	...	1	13	5	11	13	9	52	1	10	3	8	9	5	36
Erysipelas ...	46	1	2	3	5	31	4	1	9	12	11	10	3	46	...	...	...	...	...	...	...
Scarlet Fever ...	117	...	26	71	12	8	...	15	23	34	8	28	9	117	6	20	29	5	21	7	88
Typhus fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Enteric fever ...	7	...	...	1	3	3	...	2	...	3	1	...	1	7	1	...	3	...	...	1	5
Relapsing fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Continued fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal fever ...	1	...	...	...	...	1	...	...	...	...	...	1	...	1	...	...	...	...	1	...	1
Plague ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis ...	55	...	2	5	9	37	2	...	24	8	1	12	10	55	...	...	...	...	...	...	...
Totals ...	278	2	46	106	33	85	6	19	69	62	32	64	32	278	8	30	35	13	31	13	130

CHISWICK COUNCIL'S ISOLATION HOSPITAL, CLAYPONDS LANE, BRENTFORD, W.

Total available beds, 20.

Number of Diseases that can be concurrently treated: Scarlet Fever, Enteric Fever and Diphtheria.



Causes of, and Ages at Death during the Year, 1909.

and Ages at Death during th

CAUSES OF DEATH.	DEATHS IN WHOLE DISTRICT AT SUBJOINED AGES.						DEATHS IN OR BELONGING TO LOCALITIES (AT ALL AGES).						
	All ages.	Under 1 year.	1 and under 5 years.	5 and under 15 years.	15 and under 25 years.	25 and under 65 years.	65 and upwards.	Bedford Park.	Chiswick Park.	Grove Park.	Gunnersbury.	Old Chiswick.	Turnham Green.
Small-pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles ...	29	2	15	3	...	...	...	1	8	3	1	3	4
Scarlet Fever ...	2	...	...	1	1	...	...	1	...	...	1	...	1
Whooping-cough ...	2	1	2	...	...	...	...	1	...	1	...	1	...
Diphtheria and membranous croup ...	5	...	4	...	...	...	...	1	1	...	1	...	1
Croup ...	...	...	...	...	...	...	...	...	...	...	...	3	...
Fever | Typhus	...	...	...	...	...	...	...	...	...	...	...	...	...
Fever | Enteric	...	...	...	...	...	...	...	...	...	...	...	...	...
Epidemic influenza	...	...	...	...	...	...	...	...	...	...	...	...	...
Cholera ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Plague ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Diarrhoea ...	9	6	1	2	...	...	...	6	1	2	...	...	...
Enteritis ...	8	7	1	...	...	...	...	2	2	...	2	...	...
Puerperal fever ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	3	1	...	...	2	...	1	2	...	...	...	...	...
Other septic diseases	...	...	...	...	...	...	...	...	...	...	...	...	...
Phthisis ...	38	...	3	...	2	33	...	2	11	9	2	11	3
Other tubercular diseases	11	...	6	3	1	...	...	2	4	1	2	2	2
Cancer, malignant disease	36	...	...	...	24	12	4	9	5	6	11	1	1
Bronchitis ...	39	5	1	...	8	25	6	11	8	3	7	4	1
Pneumonia ...	69	19	18	1	1	21	9	5	25	14	4	11	10
Pleurisy ...	5	...	...	...	2	3	...	1	1	...	1	2	...
Other diseases of Respiratory organs ...	12	1	1	...	5	5	2	3	4	1	2	...	...
Alcoholism | Cirrhosis of liver	5	...	...	...	4	1	...	1	2	1	...	...	...
Venerel diseases	...	...	...	...	...	...	...	...	...	...	...	...	...
Fremature Birth ...	13	13	...	...	...	5	3	1	3	1	...	...	...
Diseases and accidents of parturition ...	...	...	...	...	...	...	...	...	...	...	...	...	...
Heart Diseases ...	48	1	2	1	3	24	17	5	19	6	6	4	8
Accidents ...	11	1	2	1	1	3	3	1	6	1	3	...	...
Suicides ...	3	...	...	...	3	...	1	2	...	...	...	...	...
Influenza ...	9	...	...	1	4	4	...	3	4	4	1	1	...
Digestive organs ...	22	2	1	1	15	2	3	4	6	4	3	2	1
Brain and nervous system	70	15	6	5	...	25	19	7	21	9	5	16	12
Atrophy and inanition	20	17	1	...	...	2	1	6	5	1	4	3	...
Senile decay ...	42	...	...	...	...	42	7	10	5	7	8	5	...
All other causes ...	33	4	1	1	1	15	11	4	8	4	4	7	6
All causes ...	535	95	65	19	12	189	155	51	167	91	54	101	71
													DEATHS IN PUBLIC INSTITUTIONS.

TABLE V.

CHISWICK URBAN DISTRICT.

Infantile Mortality during the Year 1909.

Deaths from stated causes in weeks and months under the age of one year.

CAUSE OF DEATH.	Deaths from all causes at all ages												Total Deaths under One Year.						
	Under 1 week.		1-2 weeks.		2-3 weeks.		3-4 weeks.		Total under 1 month.		1-2 months.			2-3 months.		3-4 months.		4-5 months.	
All Causes.	Certified	Uncertified	16	7	5	5	33	8	9	7	7	4	6	6	4	3	3	3	93
Common Infectious Diseases.																			
Scarlet Fever ...																			
Diphtheria : Croup Whooping Cough																			
Diarrhoeal Diseases.																			
Enteritis, Muco-enteritis, Gastro-enteritis																			
Gastritis, Gastro-intestinal Catarrh																			
Premature Birth... Catarrh	8	2	2				12		1										
Congenital Defects ...																			
Injury at Birth ...		1																	
Want of Breast-milk ...																			
Atrophy, Debility, Marasmus	2	1					5	2	1	1	3								15
Tuberculous Diseases.																			
Tuberculous Meningitis ...																			
Tuberculous Peritonitis: Tabes Mesenterica																			
Other Tuberculous Diseases ...																			
Erysipelas ...																			
Syphilis ...																			
Rickets...																			
Meningitis (<i>not Tuberculous</i>) ...																			
Convulsions ...	4	1					1	6	1	1	1	1	2						2
Bronchitis ...																			
Laryngitis ...																			
Pneumonia ...																			
Suffocation, overlaying ...																			
Other Causes ...		2	1					3	1	1	1	1	1	1	1	1	1	1	5
	17	7	5	5	34	8	9	8	7	4	6	6	4	3	3	3	3	95	

District or Sub-division of Brentford (Chiswick). Population estimated to middle of 1909 ... 37,059

Births in the year { Legitimate ... 856

Illegitimate ... 21

Deaths from all causes at all ages ... 535

Urban District of Chiswick.

ANNUAL REPORT

OF THE

Chief Sanitary Inspector.

1909.

JOHN H. CLARKE, M.R.San.I., Cert.R.I.P.H., &c.
CHIEF SANITARY INSPECTOR.

PUBLIC HEALTH DEPARTMENT,
TOWN HALL, CHISWICK, W.

January, 1910.

MR. CHAIRMAN AND GENTLEMEN,

I beg to submit my Eighteenth Annual Report for the year ended December 31st, 1909, and in appending the various tables giving details of the work performed under the various Acts affecting the Public Health Department, I may at once state that special attention has been given to the re-drainage of a very large number of houses of the artisan class as a result of the house-to-house inspections and the subsequent drain testing and works in connection therewith ordered by the Council from time to time.

The legal difficulties in connection with combined drainage of the majority of property dealt with, involved considerable time and trouble, and, in some cases, delay in the execution of the necessary work ; but I am pleased to state that, although this question has caused considerable anxiety and no small expense (which has considerably increased during the past year) to the Council, it was unnecessary to take legal proceedings in any case owing to the satisfactory arrangements made with the owners ; and in this respect, I have to acknowledge the confidence which the Council have reposed in me, and also the valuable advice and guidance received from the Clerk of the

Council, which has resulted in the reconstruction, at a minimum cost, of the drainage of a large number of houses drained on the combined system.

Private Schools.

There are 14 private schools in this district, all of which are inspected from time to time. The sanitary arrangements of each of the schools were attended to some few years since, and it is only now necessary to inspect for the purpose of ascertaining that the sanitary appliances, class-rooms, etc., are kept in a satisfactory condition. During the past year I have had no cause for complaint in respect of these premises, the majority being maintained at a high standard.

Factory and Workshop Acts.

With respect to the administration of the health provisions of the above Acts, I submitted the following report to the Council in December last :—

“FACTORY AND WORKSHOP ACTS :—

“I have now to report the completion of my annual inspection of the factories, workshops and workplaces in the district, numbering 201 premises, the majority of which have been inspected on other occasions during the year.

“The principal matters to which I have had to devote attention in the course of the inspection, in accordance with the statutes, are general nuisances, cleanliness, overcrowding, ventilation, drainage, and sanitary conveniences ; but I am again pleased to state that on referring to the list of sanitary defects it will be observed that the number of contraventions is small when compared with the trades represented, which shews that, so far as this district is concerned, the occupiers

of the factories and workshops endeavour to keep their premises in a sanitary condition as required by the various enactments.

"Several notices were received from the Home Office, most of which related to minor contraventions; but in every case the occupiers readily agreed to my suggestions for remedying the matters complained of. I may also mention that the notices were received before I had made the annual inspection and after I had furnished the Inspector with a list of the registered workshops and workplaces in this district.

"In several instances rooms have been measured and cards supplied from this department shewing the number of persons that may be employed in the workrooms. These cards are renewed as required, and help very materially in the prevention of over-crowding."

FACTORIES.

<i>Trades Represented.</i>		<i>Number of Premises.</i>	<i>Employees.</i>
Breweries	-	2	157
General Engineers	-	2	5
Laundries	-	5	446
Motor Car and Launch Works	-	7	125
Printers and Bookbinders	-	6	148
Saw Mills and Joiners	-	3	36
Soap Works	-	1	250
Tramway Depot	-	1	120
Wall Paper Manufacturers	-	2	456

WORKSHOPS AND WORKPLACES.

Art Metal Workers	-	-	4	38
Bakers	-	-	16	44
Barge and Boat Builders	-	-	3	23
Blacksmiths	-	-	4	9
Blind Maker	-	-	1	2
Boot Repairers	-	-	25	53

WORKSHOPS AND WORKPLACES—(*continued*).

Blouse Makers	-	-	2	35
Carriage Builder and Wheelwright	-	-	1	14
Coffin Makers	-	-	4	8
Cycle and Motor Works	-	-	8	19
Dressmakers	-	-	19	58
Hairdressers	-	-	18	35
Harness Makers	-	-	2	6
Laundries	-	-	15	157
Locksmiths and Gasfitters	-	-	3	8
Milliners	-	-	7	29
Modelling	-	-	1	3
Organ Builder	-	-	1	3
Pattern Maker	-	-	1	4
Photograph Works	-	-	1	8
Picture Frame Makers	-	-	3	9
Restaurants or Coffee Houses	-	-	13	27
Stable Yards	-	-	1	20
Tailors	-	-	10	24
Umbrella Makers	-	-	1	2
Upholsterers	-	-	1	2
Watch Makers and Repairers	-	-	7	14
Totals	-	201		2,367

SANITARY DEFECTS AND OTHER MATTERS :—

Want of cleanliness	-	-	-	3
Defective sanitary accommodation	-	-	-	6
Other nuisances	-	-	-	2
Notices to H.M. Inspector of Factories as to failure to affix Abstract	-	-	-	1

Housing of the Working Classes Acts.

Three houses were certified to be unfit for human habitation by reason of the insanitary and generally

dilapidated condition thereof; but the owners, in each case, executed the necessary work and obviated the necessity for the making of closing orders.

Infectious Diseases and Disinfection.

In accordance with the instruction of the Medical Officer of Health, enquiries are made into each notification of infectious disease, and the drainage and sanitary appliances are carefully examined, and, where necessary, reported for further inspection. It is with much pleasure that I have to record that the sanitary defects discovered were but very few and all of a minor character, due, in a great degree, to the Council's sanitary supervision of this district.

The matter of the origin, spread, etc., of the diseases being referred to by the Medical Officer of Health, I have only to report further that thorough disinfection has been carried out at the houses and schools where patients have respectively lived and attended. In the former cases, where the disinfection of the infected room with formaldehyde or sulphur has not been considered sufficient, or where the patient has suffered from the disease for some days prior to notification, notices have been served on the owners requiring the thorough stripping, disinfection and cleansing of the infected and other rooms. As regards the schools, various classrooms and lobbies have been disinfected as occasion required, the latter during school hours.

Arrangements have also been made for the disinfection of rooms after cases of phthisis, cancer and

measles ; and bedding and articles of clothing, etc., have also been disinfected when required in the Council's steam disinfecter at the Isolation Hospital.

Trade Premises.

All the trade premises--including bakehouses, slaughterhouses, dairies, cowsheds, milkshops, fish-shops, etc.--have been inspected quarterly and on other occasions as necessity arose, and, so far as the Acts, Bye-laws and Regulations governing the use of the same are concerned, I have to record that very few contraventions were reported. The number of such premises registered in the district is shewn in Table II. (Sanitary Work).

Food Inspection.

Careful supervision is exercised in connection with the food supply without unduly interfering with the vendors and others, and the slaughter-houses are regularly inspected for the purpose of securing the wholesomeness of meat sent out therefrom. No serious cases have arisen during the past twelve months, and I have not, therefore, had occasion to resort to any legal formality, a caution and advice being all that were necessary.

Petroleum Acts.

As Inspector under the Petroleum Acts I have given due attention to the provisions thereof, also to the orders in Council with respect to other substances of a like nature, and to the regulations as to petroleum used for light locomotives.

Licences were issued in respect of 16 store-places, the quantities kept varying from 20 to 500 gallons. All premises on which petroleum is kept are registered and periodically inspected.

Sale of Food and Drugs Acts.

In consequence of the action taken by the County Inspector, and of the fact that enquiries regarding the sale of food and drugs were satisfactory, it did not appear that any additional expenditure should be incurred by the Council in respect of the analysis of certain articles, and, therefore, the number of samples taken during the year 1909 under these Acts—New Milk 40, Skimmed Milk 3, and Vinegar 1—is small when compared with other years.

Two vendors of skimmed milk were prosecuted and respectively fined £6 16s. 6d. and £3 13s. 6d. including costs, for selling milk without making to the purchasers a disclosure as to its altered state.

House-to-House Inspection.

3,024 houses were visited under this heading, including 1,196 houses let in two or more tenements, compared with 2,823 and 1,145 respectively for the previous year, the total population of the areas inspected being 16,519—adults 10,969, and children 5,550.

The value of this important branch of public health work has been amply demonstrated by the useful work carried out in connection therewith in past years. During the year under review, in addition to the re-draining of nearly 100 houses, house-to-house

inspection has resulted in the paving of a portion of many yards, which has effected a great improvement by excluding dampness from dwellings, and in the more sanitary condition of their immediate surroundings ; the provision of 137 house refuse receptacles, which, apart from facilitating the speedy removal of offensive refuse, are much more sanitary than the old brick ash pits, wood boxes, &c. ; the repairing and cleansing of 455 premises ; and the remedying of numerous other sanitary defects.

It was necessary to again specially refer to the insanitary condition of certain houses at Strand-on-the Green, with respect to which I was compelled to severely caution the owners. Notices were also served on several of the occupiers whose premises were in such a state as to be a nuisance by reason of the uncleanly condition thereof. The service of statutory notices, however, had the desired effect, and resulted in a great improvement in the condition of the houses in question.

House Drains.

The total number of drains tested and examined during the past year was greatly in excess of that of previous years, as also the reports submitted to the Council under the Public Health Acts, 1875 to 1907, respecting house drains requiring examination, practically 100 per cent. of which were condemned and relaid or repaired. As previously stated, this has unfortunately increased the expenditure of the Council in respect of combined drainage, but in every case satisfactory negotiations were entered into with

owners and others, and the execution of the work has undoubtedly enhanced the sanitary condition of the district.

The bye-laws with respect to drains, etc., in connection with existing buildings, which have been made by the Council, and submitted to the Local Government Board for approval, will prove to be of service in securing efficient and uniform drainage work.

In conclusion I have to gratefully acknowledge the confidence and support which has always been afforded me by the Council and Medical Officer of Health.

I am, Gentlemen,

Your obedient Servant,

JOHN H. CLARKE, M.R. San. I., &c.,

Chief Sanitary Inspector.

(I.)

CHISWICK URBAN DISTRICT.

COUNTY OF MIDDLESEX.—SANITARY WORK, 1909.

INSPECTIONS—

Number of premises inspected on complaint	...	153
Number of premises inspected in connection with Infectious Diseases	...	305
Number of premises under periodical inspection		315
Houses inspected from house-to-house	...	3024
Total number inspections and re-inspections made		9172

NOTICES—

Cautionary Notices given	...	...	662
Statutory Orders issued	...	...	792
Summons served	...	...	3
Convictions obtained	...	...	1
<i>(Two Summons withdrawn; Notices complied with)</i>			

DWELLING HOUSES—

Houses, premises, &c., cleansed, repaired, &c.	...	497
Re-opened after repairs, alterations, &c.	...	3

HOUSES LET IN LODGINGS (TENEMENT HOUSES)—

Number registered under Byelaws	...	341
Number of Contraventions	...	...

Dealt with under Public Health Acts

MOVABLE DWELLINGS, CARAVANS, &c.—

Number observed during the year	...	10
Number removed from district	...	10

(II.)

CHISWICK URBAN DISTRICT.

COUNTY OF MIDDLESEX.—SANITARY WORK, 1909.

BAKEHOUSES—

Number in district	...	...	...	15
Contraventions of Factory Acts...	...	...	...	1

SLAUGHTERHOUSES—

Number on register	...	...	...	7
Frequency of inspections	...	...	When slaughtering is carried on	

COWSHEDS—

Number on register	...	...	...	2
Number of inspections...	...	...	...	8
Freqnency of inspections	...	...	quarterly	
Number of Milch cows in district	...	...	...	8

DAIRIES AND MILKSHOPS—

Number on register	...	...	...	48
Number of inspections...	...	...	...	192
Frequency of inspections	...	...	quarterly	
Contraventions of regulations	...	...	...	1

UNSOUND FOOD—

Articles or parcels surrendered	6
---------------------------------	-----	-----	-----	---

ADULTERATED FOOD—

Samples taken	...	...	...	44
Found adulterated	...	...	...	6

OFFENSIVE TRADES—

Number of premises in district...	...	...	...	1
Number of inspections...	...	...	...	4

WATER SUPPLY AND WATER SERVICE—

Percentage of houses supplied from Public Water Service	...	...	...	100
Cisterns—Cleansed, repaired, covered, &c.	...	...	...	14
Draw-taps placed on mains	...	...	...	36
Percentage of houses supplied on constant system	...	...	...	100

III.)

CHISWICK URBAN DISTRICT.

COUNTY OF MIDDLESEX.—SANITARY WORK, 1909.

DRAINAGE AND SEWERAGE—

Water Closets—Repaired, supplied with water or otherwise improved ...	...	...	...	186
Percentage of houses provided with water closets	...	...	...	100
Drains—Examined, tested, exposed, &c....	...	...	...	287
,, Unstopped, repaired, trapped, &c. ....	...	...	...	134
,, Waste pipes, rain water pipes disconnected, repaired, &c. ....	...	...	...	35
,, New soil pipes or ventilating shafts fixed	...	...	...	149
,, Existing soil pipes or ventilating shafts repaired ...	...	...	...	68
,, Disconnecting traps or chambers inserted	...	...	...	67
,, Reconstructed	...	...	...	143
Percentage of houses draining into sewers	...	...	...	100

DISINFECTION—

Rooms disinfected—	...	...	...	...
Ordinary infectious diseases ...	...	...	...	138
Phthisis ...	...	...	...	13
Rooms stripped and cleansed ...	...	...	...	22
Articles disinfected or destroyed—	...	...	...	...
Ordinary infectious disease ...	...	...	...	25
Phthisis ...	...	...	...	9

DUST—

New bins provided	...	...	...	...	178
Periodical frequency of dust removal	...	...	...	weekly	
Number of complaints of non-removal received	...	...	...	...	60
Method of disposal	...	...	...	destructor	

SUNDAY NUISANCES ABATED—

Overcrowding	...	...	...	...	13
Accumulation of refuse	...	...	...	...	6
Foul pigs and other animals	...	...	...	...	2
Dampness	...	...	...	...	59
Yards repaved or repaired	...	...	...	...	251
Other nuisances	...	...	...	...	325

TABLE IV.

HOUSE-TO-HOUSE INSPECTIONS DURING THE YEAR 1909.

Nuisances and Sanitary Defects Discovered and Remedied.																	
Street or Road.		No. of Inhabitants		Average No. of		No. of Inhabitants											
GLEBE ESTATE:																	
Duke Road	..	61	1	61	1	47	1	47	1	23	1	21	1	289	399	966	6-85
Date Street	..	87	1	70	1	17	1	28	1	22	1	11	1	105	394	563	6-47
Glebe Street	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Binns Road	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Reckitt Road	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Quick Road	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Fraser Street	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Devonshire Road (part of)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS	..	520	..	254	3	320	4	2328	1104	3432	6	66	2	4	10	2	..
SULHAMSTEAD ESTATE:																	
Devonshire Road (part of)	..	75	1	23	2	14	225	292	123	415	6	553	1	1	6	..	..
Annandale Road	..	41	1	21	2	6	2	330	86	311	8	758	2	1	4	..	..
Swanscombe Road	..	60	1	42	1	17	1	107	67	174	6	79	..	..	..	..	..
TOTALS	..	198	..	103	8	17	954	477	1431	7	722	1	4	..	..	..	..
MANOR HOUSE ESTATE:																	
Devonshire Rd. (part of S.E. side)	..	42	1	31	2	12	1	175	154	329	6	783	2	3	..	..	..
Mawson Lane	..	20	1	18	1	73	1	333	84	183	6	915	1	1	6	..	..
Eastbury Grove	..	..	..	..	..	..	..	..	201	129	330	6	804	..	..	..	..
Dorchester Grove	..	..	..	..	..	..	..	..	204	99	303	6	644	..	..	..	..
Cornwall Grove	..	..	..	..	..	..	..	..	205	64	269	6	584	..	..	..	..
Balfour Grove	..	..	..	..	..	..	..	..	102	61	163	6	740	..	..	..	..
Ashbourne Grove	..	..	..	..	..	..	..	..	261	92	353	6	598	..	..	..	..
Wilton Avenue	..	..	..	..	..	..	..	..	236	53	238	6	643	..	..	..	..
Chiswick Lane (part of)	..	..	..	..	..	..	..	..	185	1	185	..	..	..	..	..	..
TOTALS	..	389	..	320	4	1	1765	955	2720	6	699	2	10	2	2	18	..
CHISWICK NEW TOWN:																	
Devonshire Road (part of)	..	125	..	38	1	..	..	536	175	711	5	568	..	3	2	..	..
Mawson Lane	..	..	..	..	..	..	..	..	171	101	272	4	533	2	1	..	..
Hogarth Place	..	..	..	..	..	..	..	..	151	105	256	6	64	..	..	..	..
Eastbury Grove	..	..	..	..	..	..	..	..	81	25	106	6	623	..	..	..	..
Dorchester Grove	..	..	..	..	..	..	..	..	64	45	109	5	681	..	..	..	..
Cornwall Grove	..	..	..	..	..	..	..	..	94	27	121	4	417	..	..	..	..
Balfour Grove	..	..	..	..	..	..	..	..	97	76	173	4	540	..	..	..	..
Ashbourne Grove	..	..	..	..	..	..	..	..	85	68	153	6	858	..	..	..	..
Wilton Avenue	..	..	..	..	..	..	..	..	129	94	223	4	543	9	..	..	..
Chiswick Lane	..	..	..	..	..	..	..	..	134	93	227	3	537	..	..	..	..
Bennett Street	..	..	..	..	..	..	..	..	101	88	189	4	63	..	..	..	..
William Street	..	..	..	..	..	..	..	..	57	31	88	3	463	..	..	..	..
Wood Street	..	..	..	..	..	..	..	..	66	39	105	3	456	..	..	..	..
Furze Street	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
James Street	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
TOTALS	..	358	..	320	4	1	1230	792	2022	5	564	24	3	6	..	12	..
CHISWICK PROPER:																	
Sutherland Road	..	32	1	10	..	..	..	132	37	169	6	528	..	2	1	..	..
Short Road	..	19	1	4	..	..	..	71	24	95	4	50	..	1	..	..	..
Paxton Road	..	74	1	24	1	..	..	333	114	447	6	604	..	1	..	..	..
TOTALS	..	125	..	38	1	..	..	536	175	711	5	568	..	3	2	..	..
STRAND-ON-THE-GREEN:																	
Strand-on-the-Green (front)	..	88	1	2	..	..	..	273	87	360	4	409	3	..	..	..	..
Thames Road (including Westerly Gardens)	..	..	..	..	..	..	..	..	190	57	247	4	530	..	..	..	..
Magnolia Road	..	56	1	12	..	..	..	139	86	225	5	432	..	..	..	..	..
Geraldine Road and Gardens	..	52	1	1	3	..	..	139	71	210	4	448	..	..	..	..	..
Devonshire Place	..	29	1	5	..	..	..	171	118	289	6	85	..	..	..	..	..
Hunt Street	..	32	1	9	..	..	..	236	188	424	6	921	..	..	..	..	..
Bennett Street	..	17	1	9	..	..	..	117	48	165	6	568	3	..	..	..	..
William Street	..	41	1	25	5	..	..	81	34	115	4	287	..	..	..	..	..
Pymont Road	..	34	1	29	10	3	..	191	86	277	6	508	..	..	..	..	..
Waideck Road	..	46	1	12	2	..	..	43	21	64	4	64	..	..	..	..	..
Hearne Road	..	29	1</td														

